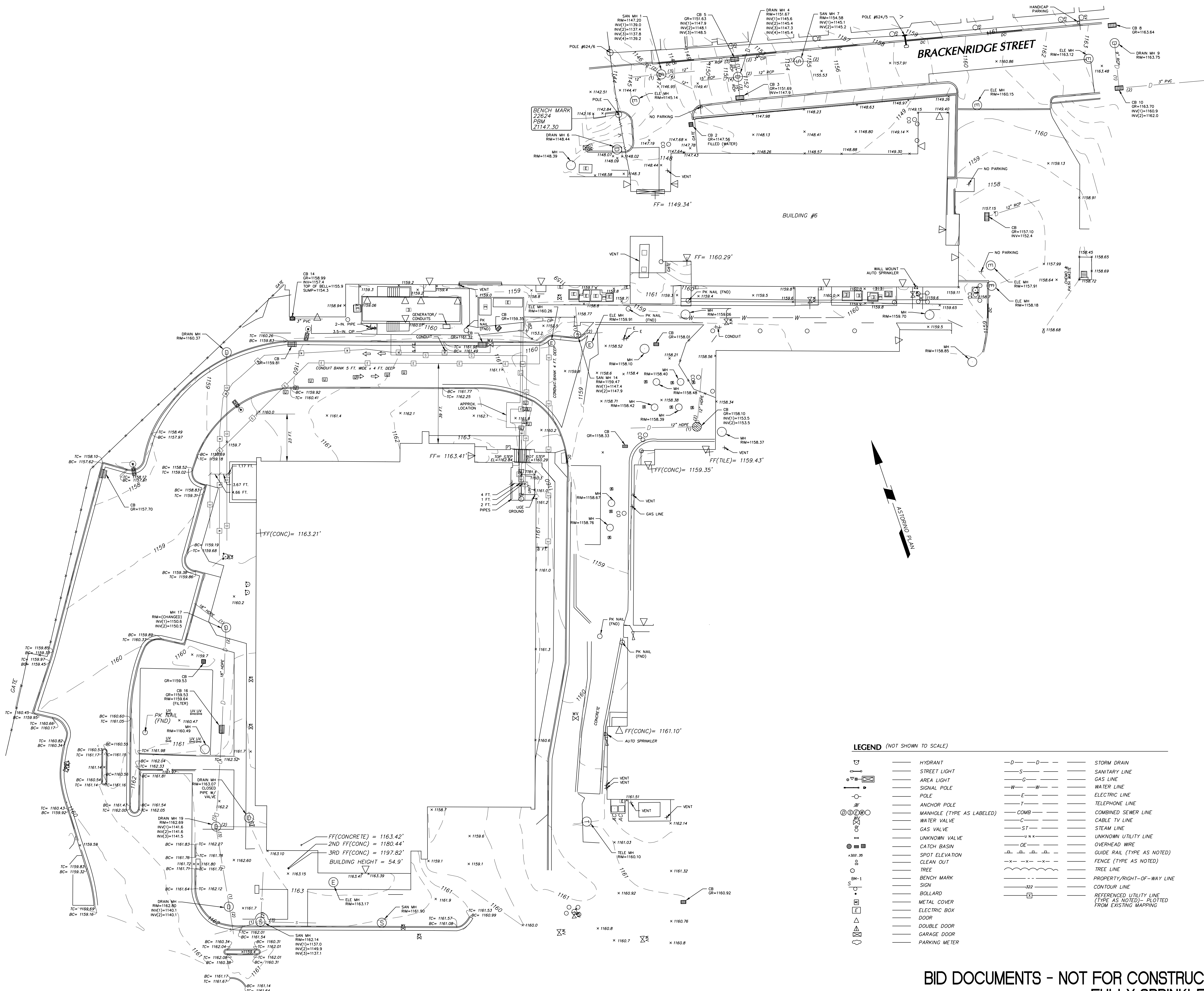
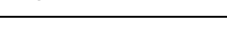




TOPOGRAPHIC SURVEY NOTES

1. THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE SEARCH, THEREFORE THIS PROPERTY MAY BE SUBJECT TO ADDITIONAL EASEMENTS, RIGHTS-OF-WAY, COVENANTS, ETC. AS MAY BE DISCLOSED IN A CURRENT, COMPREHENSIVE TITLE SEARCH.
2. TOPOGRAPHIC INFORMATION SHOWN BASED ON A FIELD SURVEY PERFORMED BY LANGAN ENGINEERING & ENVIRONMENTAL SERVICES, INC. IN APRIL 2012, OCTOBER 2012, AND APRIL 2013. PLEASE NOTE THAT THE SURROUNDING AREAS WERE UNDER CONSTRUCTION AT THE TIME OF THE SURVEY.
3. DIRECTION OF NORTH ARROW BASED ON PLANS TITLED "VA CARES CONSOLIDATION, VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.", PREPARED BY ASTORINO, DATED AUGUST 18, 2010.
4. VERTICAL DATA SHOWN IS BASED ON ELEVATIONS SHOWN IN CAD FILE FROM ASTORINO ARCHITECTS.
5. OFFSETS (IF SHOWN) ARE FOR SURVEY REFERENCES ONLY AND ARE NOT TO BE USED FOR CONSTRUCTION OF ANY TYPE.
6. WETLANDS, ENVIRONMENTAL AND/OR HAZARDOUS MATERIALS LOCATION, IF ANY, ARE NOT COVERED UNDER THIS CONTRACT.
7. UNLESS SPECIFICALLY NOTED HEREON, STORM AND SANITARY SEWER INFORMATION (INCLUDING PIPE INVERT, PIPE MATERIAL, AND PIPE SIZE) WAS OBSERVED AND MEASURED AT FIELD LOCATED STRUCTURES (MANHOLES, CATCH BASINS, ETC.). CONDITIONS CAN VARY FROM THOSE ENCOUNTERED AT THE TIMES WHEN AND THE LOCATIONS WHERE DATA IS OBTAINED, DESPITE MEETING THE REQUIRED STANDARD OF CARE. THE SURVEYOR CANNOT AND DOES NOT WARRANT THAT THE PIPE MATERIAL AND/OR PIPE SIZE THROUGHOUT THE RUN IS STRAIGHT BETWEEN THE LOCATED STRUCTURES, AND/OR FROM EXISTING DRAWINGS, UNLESS SPECIFICALLY NOTED HEREON. THE SURVEYOR HAS NOT EXCAVATED TO PHYSICALLY LOCATED THE UNDERGROUND UTILITIES, THE SURVEYOR MAKES NO GUARANTEES THAT THE SHOWN UNDERGROUND UTILITIES ARE EITHER IN SERVICE, ABANDONED, OR SUITABLE FOR USE, NOR ARE IN THE EXACT LOCATION OR CONFIGURATION INDICATED HEREON. PRIOR TO ANY DESIGN OR CONSTRUCTION, THE PROPER UTILITY AGENCIES MUST BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS.
8. THIS PLAN IS NOT VALID UNLESS STAMPED WITH THE SEAL OF THE UNDERSIGNED PROFESSIONAL(S).



BID DOCUMENTS - NOT FOR CONSTRUCTION
FULLY SPRINKLERED

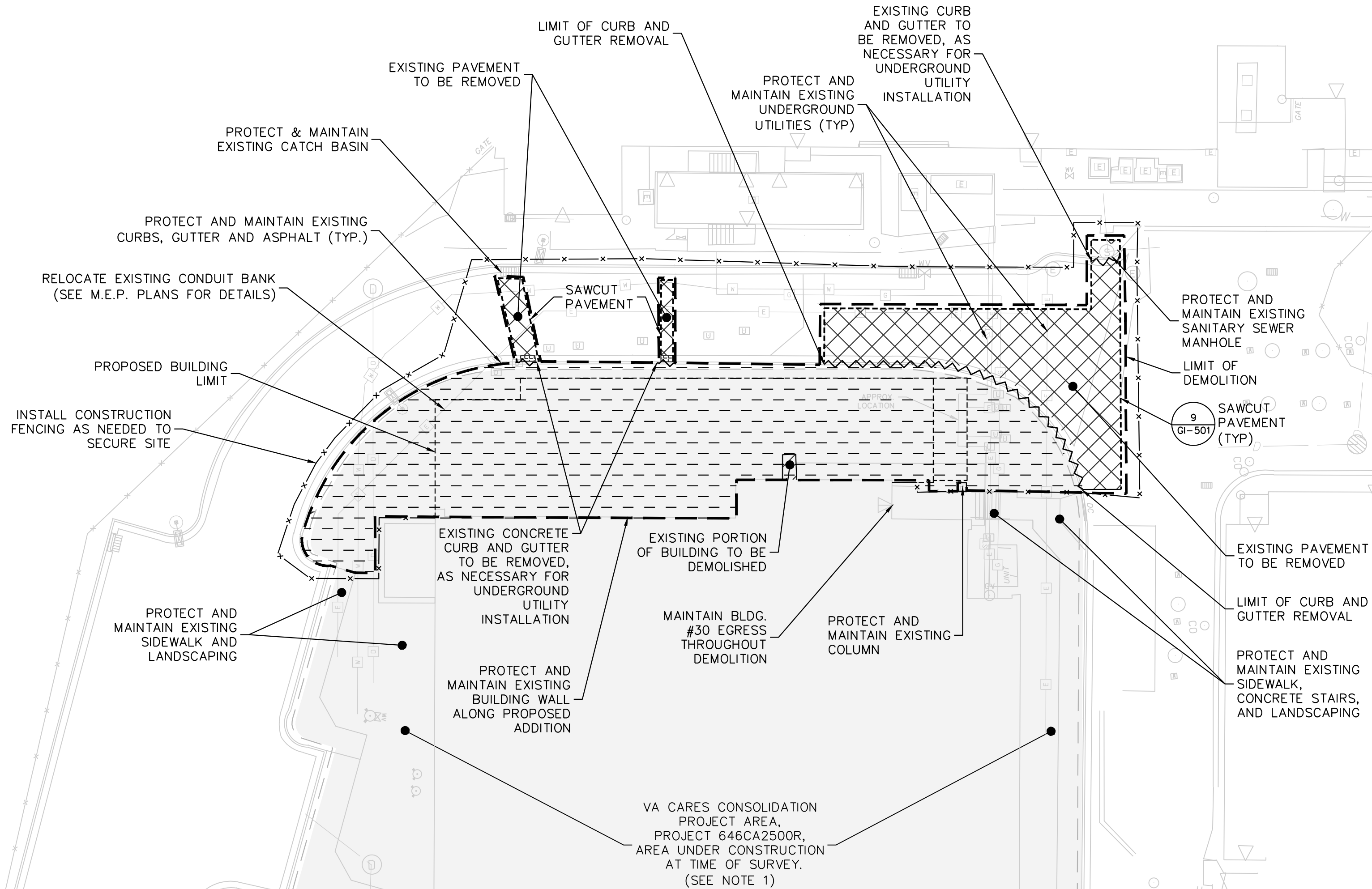
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|-----|-------------|--------------|------|--|--|---|--|----------------------------|--|--|--|---------------------------|--|---|--|--|
| | | CONSULTANTS: | | LAND SURVEYOR | | ARCHITECT/ENGINEERS: | | Drawing Title | | Project Title | | Project Number | | Office of Construction and Facilities Management | | |
| | | | | SHAUN F. HIGGINS, P.L.S. LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES PROFESSIONAL LAND SURVEYOR LICENCE NO. SU-051088-E | |  Miller-Remick LLC M.E.P. & Structural Engineering A Veteran Owned Small Business 1010 KINGS HIGHWAY SOUTH BUILDING ONE - 1ST FLOOR CHERRY HILL, NEW JERSEY 08034 PHONE: (856)429-4000 FAX: (856)429-5002 | | PARTIAL TOPOGRAPHIC SURVEY | | AE - UNIVERSITY DRIVE RESEARCH BUILDING ADDITION - | | VA244-P-1749 | | | | |
| | | | | SIGNATURE: _____ | |  LANGAN ENGINEERING & ENVIRONMENTAL SERVICES 601 Technology Drive, Suite 200 Canonburg, PA 15317-9540 P: 724.514.5100 F: 724.514.5101 www.langan.com | | Approved Project Director | | Location VA HEALTHCARE, PITTSBURGH PA | | Building Number NO. 30 | | | | |
| | | | | | | | | | | Date 04/30/2014 | | Checked SFM | | Drawing Number VT-101 | | |
| | | | | | | | | | | | | Drawn KS | | Dwg. 2 of 161 | | |
| | | | | | | | | | | | | | |  Department of Veterans Affairs | | |
| | | | | | | | | | | | | | | | | |
| NO. | DESCRIPTION | | DATE | | | | | | | | | | | | | |

DEMOLITION NOTES

1. EXISTING TOPOGRAPHY IS BASED ON A PLAN TITLED "PARTIAL TOPOGRAPHIC SURVEY," PERFORMED IN APRIL 2012, OCTOBER 2012, AND APRIL 2013 AND PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. PLEASE NOTE THAT SURROUNDING AREAS WERE UNDER CONSTRUCTION AT THE TIME OF THE SURVEY. SEE DRAWING CS-101 NOTE 8 FOR DELINEATION OF OUTSIDE PROJECT AREA.
2. THE EXISTING PARTIAL TOPOGRAPHIC SITE SURVEY (SEE VT-101) WAS PERFORMED DURING ONGOING CONSTRUCTION IN THE SITE AREA AND THEREFORE MAY NOT COMPLETELY REPRESENT THE SITE CONDITIONS PRESENT AT THE TIME OF CONSTRUCTION. THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SITE CONDITIONS, BOTH ABOVE AND BELOW THE SURFACE, PRIOR TO COMMENCING WORK, AS FIELD CONDITIONS MAY VARY. THE CONTRACTOR SHALL THEN ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER MAKES NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY AVAILABLE INFORMATION WHICH WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL MAKE ADDITIONAL TOPOGRAPHIC AND UTILITY SURVEYS HE DEEMS NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.
3. THESE PLANS REPRESENT THE OVERALL DEMOLITION REQUIRED FOR A PHASED PROJECT. THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS AND METHODS OF DEMOLITION; AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT, NOR ARE THEY INTENDED TO REPRESENT, ALL SPECIFIC INSTRUCTIONS REQUIRED FOR DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.
4. UNDERGROUND UTILITY MARK-OUT INFORMATION AT SITE OF PROPOSED ADDITION WAS OBTAINED BY EMCOR SERVICES SCAUSE INDUSTRIES OF LAWRENCE, PA COMPLETED JANUARY 2013, BASED ON HAND-SKETCH BY CONTRACTOR FOR "VA CARES CONSOLIDATION PROJECT (PROJECT 646CA2500R); AS-BUILT ELECTRONIC DRAWINGS WERE NOT AVAILABLE AT THE TIME OF THE DESIGN.
5. THE CONTRACTOR SHALL, WHEN THEY DEEM NECESSARY, PROVIDE WRITTEN REQUESTS FOR INFORMATION (RFIS) TO THE OWNER AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITE WORK ITEM. THE RFI SHALL BE IN A FORM ACCEPTABLE TO OWNER AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF TWO WORK DAYS OR ADDITIONAL REASONABLE TIME FOR A WRITTEN REPLY. RFIS SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE WORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLANS.
6. AT LEAST SEVEN DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES (INCLUDING DEMOLITION), THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE SOIL EROSION AND SEDIMENT CONTROL PREPARER, AND A REPRESENTATIVE FROM THE ALLEGHENY SOIL CONSERVATION DISTRICT TO AN ON-SITE PRE-CONSTRUCTION MEETING.
7. AT LEAST 72 HOURS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
8. ALL WASTE MUST BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE PADEP'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE CHAPTER 260, 260.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. NO WASTE MATERIAL SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
9. THE CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF ANY AND ALL ABOVEGROUND STRUCTURES AND APPURTENANCES WITHIN THE LIMIT OF DISTURBANCE, WHETHER OR NOT THEY ARE SPECIFICALLY INDICATED ON THIS PLAN UNLESS OTHERWISE NOTED. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO PAVEMENT, CURBS, CONCRETE PADS, RAMPS, PLATFORMS, WALLS, ETC.
10. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO PREVENT DAMAGE TO EXISTING ADJACENT STRUCTURES BY OR AS A RESULT OF THE CONTRACTOR'S OPERATIONS. ANY FEATURES DAMAGED DURING THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED AND/OR REPAIRED, AS DIRECTED BY THE OWNER, AT THE CONTRACTOR'S EXPENSE.
11. IF EXISTING UTILITIES WITHIN THE BUILDING FOOTPRINT NOT SHOWN ON THE PLAN ARE FOUND, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE ENGINEER TO DETERMINE IF THE UTILITIES CAN BE DEMOLISHED OR IF THEY NEED TO BE RELOCATED.
12. AFTER PAVEMENT REMOVAL OR UTILITY EXCAVATIONS, THE AREA OF CONSTRUCTION SHOULD BE BROUGHT TO THE REQUIRED SUBGRADE LEVEL. WHERE EXCAVATION IS REQUIRED, THE AREA SHOULD BE PROOF-ROLLED (AFTER CUTTING TO THE REQUIRED GRADE LEVEL). SHOULD ANY SOFT OR OTHERWISE UNSUITABLE CONDITIONS BE OBSERVED, THE MATERIAL SHOULD BE REMOVED AND REPLACED WITH APPROVED PROPERLY COMPACTED FILL. IN ADDITION, THE SUBGRADE SOIL SHOULD BE COMPACTED TO OBTAIN A MINIMUM OF 95% OF THE SOIL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D1557 MODIFIED PROCTOR METHOD.
13. ALL EXISTING AREAS LOCATED DIRECTLY ADJACENT TO DEMOLITION ARE REQUIRED TO BE SEPARATED FROM DEMOLITION, RENOVATION, OR CONSTRUCTION ACTIVITIES BY TEMPORARY SMOKE-TIGHT CONSTRUCTION PARTITIONS OF GYPSUM BOARD OR OTHER APPROVED NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS AND ONE-HOUR RATED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT LOCATION OF PARTITIONS AND THE DETAILS OF CONSTRUCTION FOR REVIEW AND APPROVAL BY THE ENGINEER AND OWNER.
14. THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.

LEGEND

| | |
|------------------------------------|-----------|
| LIMIT OF DEMOLITION | --- |
| CONSTRUCTION FENCING | - - - - - |
| DEMOLISH BUILDING | XXXXXX |
| CURB REMOVAL | ~~~~~ |
| REMOVE PAVEMENT | XXXXXX |
| SAWCUT PAVEMENT | ----- |
| REMOVE SIDEWALK, LANDSCAPING, ETC. | XXXXXX |
| OTHER PROJECT AREAS | XXXXXX |



ACT 287 AS AMENDED

UTILITY LOCATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR, PER PA. ACT 287 TO CONTACT THE UTILITY COMPANIES FOR MORE ACCURATE LOCATION PRIOR TO ANY EXCAVATION. TO OBTAIN ADDITIONAL UTILITY INFORMATION OR TO ARRANGE FOR FIELD LOCATION OF EXISTING UTILITIES BEFORE EXCAVATION, CALL THE PENNSYLVANIA ONE CALL SYSTEM AT 1-800-242-1776. THE UTILITY COMPANIES SHOWN MAY OR MAY NOT HAVE UTILITY LINES IN THE AREA.

CALL BEFORE YOU DIG !!
PENNSYLVANIA ONE CALL SYSTEM
(5) WORKING DAYS NOTICE FOR
(15) MINIMUM ADVANCE NOTICE FOR
(10) WORKING DAYS TO DESIGN STAGE
- E.P. & C.O. -

Pennsylvania One Call System, Inc.
1-800-242-1776



SERIAL NUMBER 20123192140

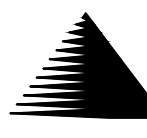
CONSULTANTS:

SITE/CIVIL:

SCOTT ROWLAND, P.E.
LANGAN ENGINEERING AND
ENVIRONMENTAL SERVICES
PROFESSIONAL ENGINEER
PA LICENSE NO. PE-080583

SIGNATURE:

ARCHITECT/ENGINEERS:



Miller-Remick, LLC
M.E.P. & Structural Engineering
A Veteran Owned Small Business
1010 KINGS HIGHWAY SOUTH
BUILDING ONE - 1st FLOOR
CHERRY HILL, NEW JERSEY 08034
PHONE: (856)429-4000
FAX: (856)429-5002



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www.langan.com

NEW JERSEY PENNSYLVANIA NEW YORK CONNECTICUT FLORIDA
DETROIT VIRGINIA CALIFORNIA

Drawing Title

SITE DEMOLITION PLAN

Approved Project Director

Project Title

AE - UNIVERSITY DRIVE
RESEARCH BUILDING ADDITION
-

Location

VA HEALTHCARE, PITTSBURGH PA

Date

04/30/2014

Checked

SDR

Drawn

NMP

Project Number

VA244-P-1749

Building Number

NO. 30

Drawing Number

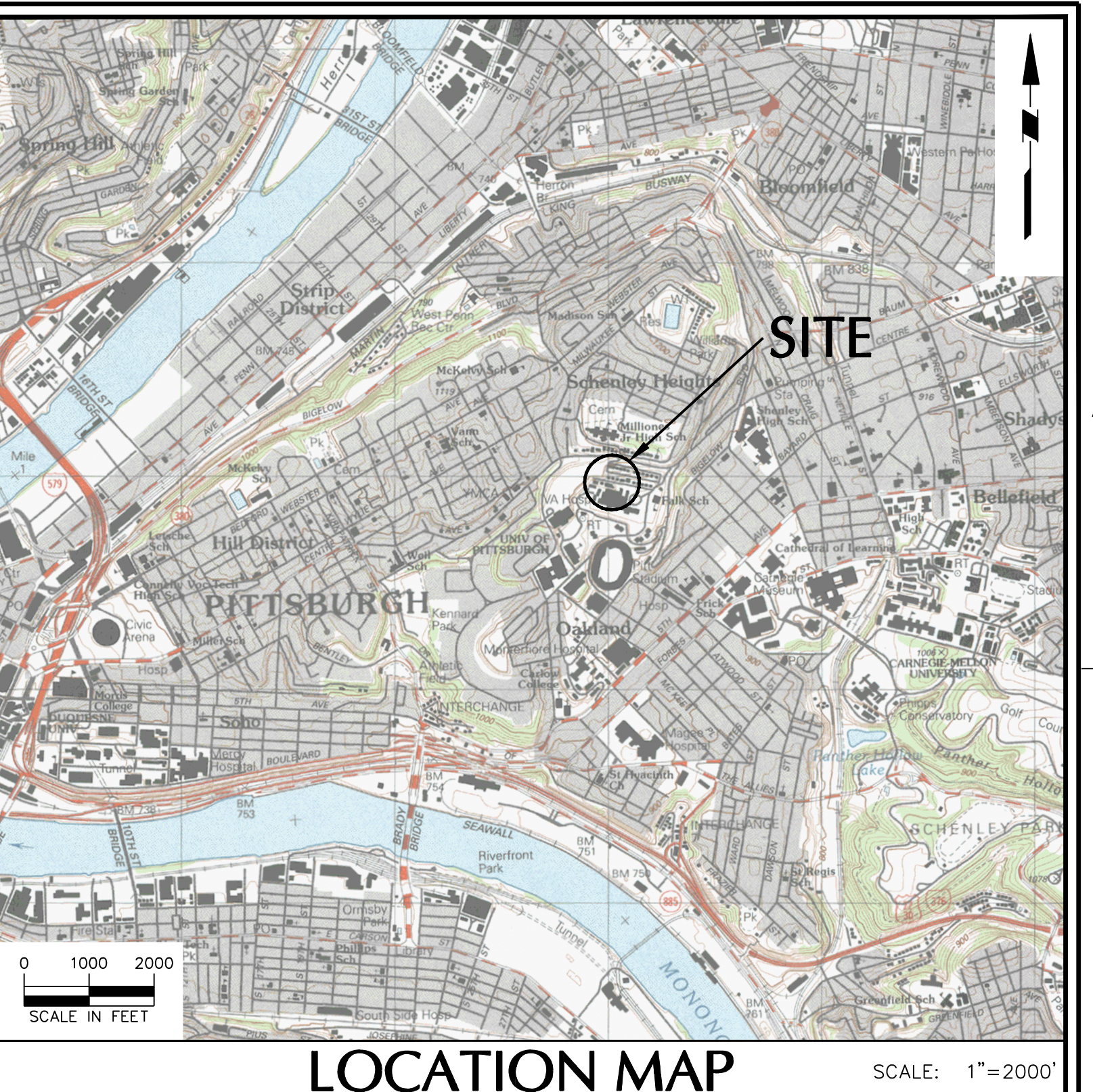
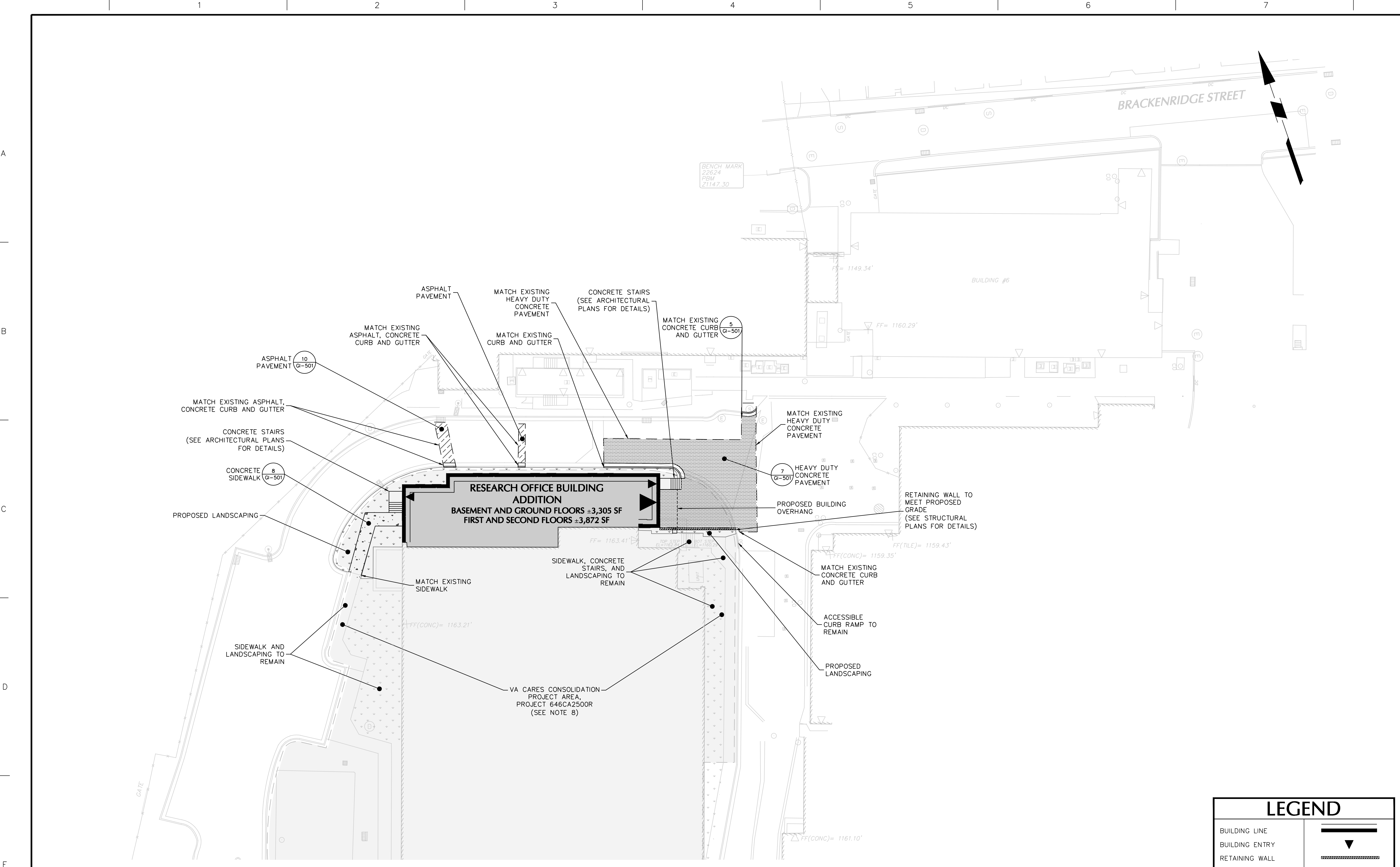
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Office of
Construction
and Facilities
Management



Department of
Veterans Affairs



- ### GENERAL NOTES
- EXISTING TOPOGRAPHY IS BASED ON A PLAN TITLED "PARTIAL TOPOGRAPHIC SURVEY," PERFORMED IN APRIL 2012, OCTOBER 2012, AND APRIL 2013 AND PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. PLEASE NOTE THAT THE SURROUNDING AREAS WERE UNDER CONSTRUCTION AT THE TIME OF THE SURVEY.
 - THE EXISTING SITE SURVEY WAS PERFORMED DURING ONGOING CONSTRUCTION IN THE SITE AREA AND THEREFORE MAY NOT COMPLETELY REPRESENT THE CURRENT SITE CONDITIONS THAT WILL BE PRESENT AT THE TIME OF CONSTRUCTION. THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER MAKES NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY AVAILABLE INFORMATION WHICH WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL MAKE ADDITIONAL TOPOGRAPHIC SURVEYS HE DEEMS NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.
 - THESE PLANS REPRESENT THE OVERALL SITE WORK IMPROVEMENTS REQUIRED FOR A PHASED PROJECT CONSTRUCTION. THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT, NOR ARE THEY INTENDED TO REPRESENT, ALL SPECIFIC INSTRUCTIONS REQUIRED FOR SITE WORK CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.
 - THE CONTRACTOR SHALL, WHEN THEY DEEM NECESSARY, PROVIDE WRITTEN REQUESTS FOR INFORMATION (RFIS) TO THE OWNER AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITE WORK ITEM. THE RFIS SHALL BE IN A FORM ACCEPTABLE TO OWNER AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF TWO WORK DAYS OR ADDITIONAL REASONABLE TIME FOR A WRITTEN REPLY. RFIS SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE WORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLANS.
 - INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES AND ANY OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND BY THE CONTRACTOR SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO CONSTRUCTION.
 - REFER TO STRUCTURAL PLANS FOR ALL PROPOSED RETAINING WALL DETAILS.
 - ALL ADA PEDESTRIAN FACILITIES CONSTRUCTED ON SITE AND WITHIN PUBLIC RIGHTS-OF-WAYS OR EASEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH FEDERAL ADA STANDARDS.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE MOST UP-TO-DATE PLANS AND AS-BUILT DRAWINGS FOR THE PROJECTS ADJACENT TO THE SITE. IN PARTICULAR, THE CONTRACTOR SHALL REFERENCE THE "VA CARES CONSOLIDATION" PROJECT (PROJECT 646CA2500R), PLAN TITLED "SITE LAYOUT PLAN," PREPARED BY ASTORINO ARCHITECTS, DATED AUGUST 18, 2010.
 - ALL EXISTING AREAS ARE REQUIRED TO BE SEPARATED FROM DEMOLITION, RENOVATION, OR CONSTRUCTION ACTIVITIES BY TEMPORARY "SMOKE-TIGHT" CONSTRUCTION PARTITIONS OF GYPSUM BOARD OR OTHER APPROVED NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS AND ONE-HOUR RATED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT LOCATION OF PARTITIONS AND THE DETAILS OF CONSTRUCTION FOR REVIEW AND APPROVAL BY THE ENGINEER AND OWNER.
 - THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.

| LEGEND | |
|------------------------------|--|
| BUILDING LINE | |
| BUILDING ENTRY | |
| RETAINING WALL | |
| HEAVY DUTY CONCRETE PAVEMENT | |
| CONCRETE SIDEWALK | |
| ASPHALT PAVEMENT | |
| LANDSCAPING | |
| OTHER PROJECT AREAS | |

ACT 287 AS AMENDED

UTILITY LOCATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR, PER PA ACT 287 TO CONTACT THE UTILITY COMPANIES FOR MORE ACCURATE LOCATION PRIOR TO ANY EXCAVATION.

TO OBTAIN ADDITIONAL UTILITY INFORMATION OR TO ARRANGE FOR FIELD LOCATION OF EXISTING UTILITIES BEFORE EXCAVATION, CALL THE PENNSYLVANIA ONE CALL SYSTEM AT 1-800-242-1776. THE UTILITY COMPANIES SHOWN MAY OR MAY NOT HAVE UTILITY LINES IN THE AREA.

CALL BEFORE YOU DIG !!
PENNSYLVANIA ONE CALL SYSTEM
(1) WORKING DAYS AHEAD FOR
(5) WORKING DAYS AHEAD FOR
(10) WORKING DAYS AHEAD FOR
- SEE PLAN & CALL -

Pennsylvania One Call System, Inc.
1-800-242-1776

SERIAL NUMBER 20123192140

| NO. | DESCRIPTION | DATE |
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| CONSULTANTS: | |
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|---|
| SITE/CIVIL: |
| SCOTT ROWLAND, P.E. LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES PROFESSIONAL ENGINEER PA LICENCE NO. PE-080583 |
| SIGNATURE: _____ |

ARCHITECT/ENGINEERS:

Miller-Remick LLC
M.E.P. & Structural Engineering
A Veteran Owned Small Business
1010 KINGS HIGHWAY SOUTH
BUILDING ONE - 1st FLOOR
CHERRY HILL, NEW JERSEY 08034
PHONE: (856)429-4000
FAX: (856)429-5002

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www.langan.com
NEW JERSEY PENNSYLVANIA NEW YORK CONNECTICUT FLORIDA
DELAWARE VIRGINIA CALIFORNIA

| |
|---------------------------|
| Drawing Title |
| SITE PLAN |
| Approved Project Director |

| |
|---|
| Project Title |
| AE - UNIVERSITY DRIVE RESEARCH BUILDING ADDITION |
| Project Number |
| VA244-P-1749 |
| Building Number |
| NO. 30 |
| Location |
| VA HEALTHCARE, PITTSBURGH PA |
| Date |
| 04/30/2014 |
| Checked |
| SDR |
| Drawn |
| NMP |
| Drawing Number |
| CS-101 |
| Dwg. 4 of 161 |

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

SOIL EROSION & SEDIMENT CONTROL NOTES

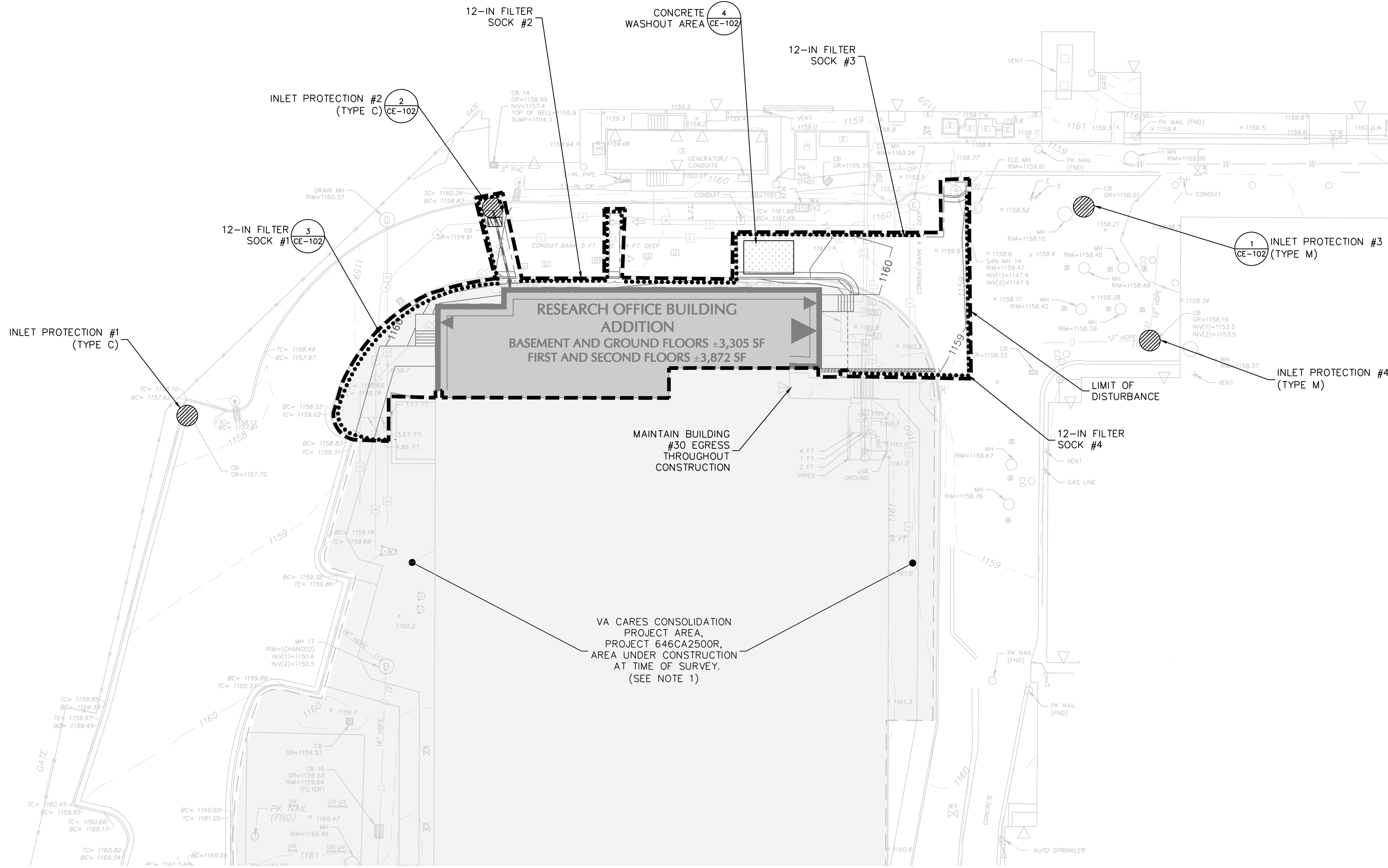
1. EXISTING TOPOGRAPHY IS BASED ON A PLAN TITLED "PARTIAL TOPOGRAPHIC SURVEY" PERFORMED IN APRIL 2012, OCTOBER 2012, AND APRIL 2013 AND PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. PLEASE NOTE THAT THE SURROUNDING AREAS WERE UNDER CONSTRUCTION AT THE TIME OF THE SURVEY. SEE DRAWING CS-101 NOTE 8 FOR DELINEATION OF OUTSIDE PROJECT AREA.
2. LIMIT OF DISTURBANCE = 0.20 ACRES
3. A COPY OF THE APPROVED SOIL EROSION REPORT AND DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
4. AT LEAST SEVEN DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES (INCLUDING DEMOLITION), THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE SOIL EROSION AND SEDIMENT CONTROL PREPARER, AND A REPRESENTATIVE FROM THE ALLEGHENY SOIL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
5. AT LEAST 72 HOURS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
6. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON DRAWING CE-103. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING BY THE ALLEGHENY COUNTY CONSERVATION DISTRICT.
7. CLEARING AND DEMOLITION SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN PLANS. GENERAL SOIL DISTURBANCE MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE APPROVED SOIL EROSION AND SEDIMENT CONTROL BMPs SPECIFIED BY THE PLANS HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED.
8. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN. THESE AREAS MUST BE CLEARLY MARKED AND/OR FENCED OFF BEFORE CLEARING/DEMOLITION OPERATIONS BEGIN.
9. STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2H:1V OR FLATTER. STOCKPILE LOCATION NOT YET DETERMINED AT THE TIME OF THIS SUBMISSION.
10. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BMPs TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE ALLEGHENY SOIL CONSERVATION DISTRICT.
11. ALL WASTE MUST BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE PADEP'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE CHAPTER 260.1 ET SEQ., 271.1, AND 287.1 ET SEQ. NO WASTE MATERIAL SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
12. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL.
13. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN AND SPECIFICATIONS, OVER UNDISTURBED VEGETATED AREAS.
14. UNTIL THE SITE IS STABILIZED, ALL SOIL EROSION AND SEDIMENT CONTROL BMPs MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMPs AFTER EACH RUNOFF EVEN AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING AND MULCHING MUST BE PERFORMED IMMEDIATELY. IF SOIL EROSION AND SEDIMENT CONTROL BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
15. A LOG SHOWING DATES THAT SOIL EROSION AND SEDIMENT CONTROL BMPs WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
16. SEDIMENT TRACKED OUTSIDE LIMIT OF DISTURBANCE SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADWAY OR STORM SEWER.
17. ALL SEDIMENT REMOVED FOR BMPs SHALL BE DISPOSED OF IN THE MANNER DESCRIBED IN THE PLANS.
18. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF FOUR INCHES PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM OF SIX INCHES OF TOPSOIL IN SEEDING AND MULCHING.
19. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE, OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
20. FILL MATERIALS AND TOPSOIL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIAL THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
21. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE.
22. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN ONE YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN ONE YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
23. SOIL EROSION AND SEDIMENT CONTROLS MUST REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE ALLEGHENY SOIL CONSERVATION DISTRICT.
24. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE ALLEGHENY SOIL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE SOIL EROSION AND SEDIMENT CONTROL BMPs.
25. AFTER FINAL SITE STABILIZATION HAS BEEN ARCHIVED, TEMPORARY SOIL EROSION AND SEDIMENT CONTROL BMPs MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF BMPs MUST BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSION SHOULD BE DONE ONLY DURING THE GERMINATING SEASON.
26. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE ALLEGHENY SOIL CONSERVATION DISTRICT FOR A FINAL INSPECTION.
27. FAILURE TO CORRECTLY INSTALL SOIL EROSION AND SEDIMENT CONTROL BMPs, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF SOIL EROSION AND SEDIMENT CONTROL BMPs MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE REGULATORY AGENCIES.

LEGEND

| | |
|----------------------|-------|
| LIMIT OF DISTURBANCE | --- |
| 12-INCH FILTER SOCK | |
| INLET PROTECTION | ● |
| CONCRETE WASHOUT | ■ |
| OTHER PROJECT AREAS | ■ |

| SOIL TYPES | | | | | |
|------------|---|-------------|-----------------------|---------------------------|-----------------------|
| SYMBOL | NAME | HYDRC (Y/N) | DEPTH TO BEDROCK (N.) | DEPTH TO WATER TABLE (N.) | HYDROLOGIC SOIL GROUP |
| UCB | URBAN LAND - COLLEOKA COMPLEX, GENTLY SLOPING, 0 TO 8 % SLOPES | N | 20 - 40 | >80 | B |
| UCD | URBAN LAND - COLLEOKA COMPLEX, MODERATELY STEEP, 8 TO 25 % SLOPES | N | 20 - 40 | >80 | B |

* INFORMATION FOR SOIL TYPES IS BASED ON NRCS WEB SOIL SURVEY



ACT 287 AS AMENDED

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CALL BEFORE YOU DIG !!
PENNSYLVANIA ONE CALL SYSTEM
(1) WORKING DAYS BEFORE
(5) WORKING DAYS BEFORE
(10) WORKING DAYS BEFORE
- STOP & CALL -

Pennsylvania One Call System, Inc.
1-800-242-1776



SERIAL NUMBER 20123192140

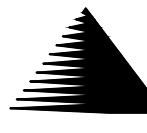
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SCOTT ROWLAND, P.E.
LANGAN ENGINEERING AND
ENVIRONMENTAL SERVICES
PROFESSIONAL ENGINEER
PA LICENSE NO. PE-080583

SIGNATURE:

ARCHITECT/ENGINEERS:



Miller-Remick LLC
M.E.P. & Structural Engineering
A Veteran Owned Small Business
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NEW JERSEY PENNSYLVANIA NEW YORK CONNECTICUT FLORIDA
DELAWARE VIRGINIA CALIFORNIA

Drawing Title

SOIL EROSION AND
SEDIMENT CONTROL PLAN

Approved Project Director

Project Title

AE - UNIVERSITY DRIVE
RESEARCH BUILDING ADDITION
-

Location

VA HEALTHCARE, PITTSBURGH PA

Date

04/30/2014

Checked

SDR

Drawn

NMP

Project Number
VA244-P-1749

Building Number
NO. 30

Drawing Number

CE-101

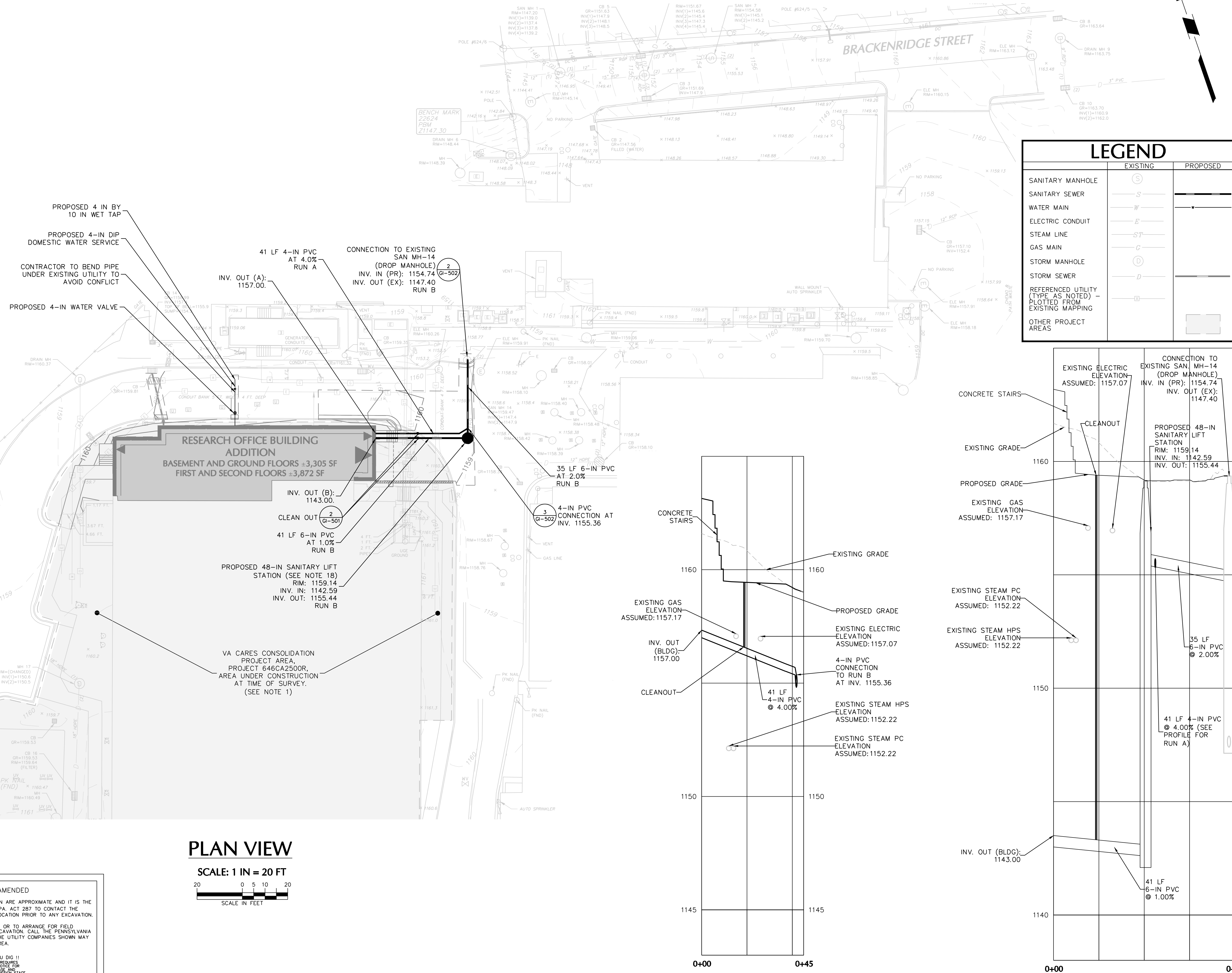
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Office of
Construction
and Facilities
Management

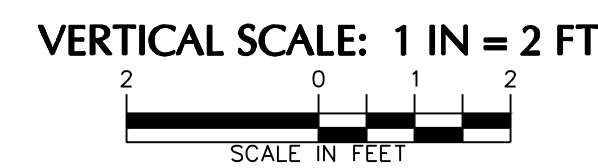
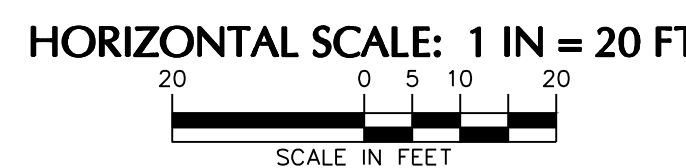


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1. EXISTING TOPOGRAPHIC SURVEY IS BASED ON A PLAN TITLED "PARTIAL TOPOGRAPHIC SURVEY," PERFORMED IN APRIL, 2012, OCTOBER, 2012, AND APRIL, 2013 AND PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. PLEASE NOTE THE SURROUNDING AREAS WERE UNDER CONSTRUCTION AT THE TIME OF THE SURVEY. SEE DRAWING CS-101 FOR DELINEATION OF OUTSIDE PROJECT AREA.
2. THESE PLANS REPRESENT THE OVERALL UTILITY IMPROVEMENTS REQUIRED FOR PROJECT CONSTRUCTION. THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. AS SUCH, THESE PLANS DO NOT CONSTITUTE REPAIRS. IF THE CONTRACTOR IS INTENDED TO REPRESENT, ALL SPECIFIC INSTRUCTIONS REQUIRED FOR UTILITY CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.
3. THE EXISTING SITE SURVEY WAS PERFORMED DURING ONGOING CONSTRUCTION IN THE SITE AREA AND THEREFORE MAY NOT COMPLETELY REPRESENT THE CURRENT SITE CONDITIONS THAT WILL BE PRESENT AT THE TIME OF CONSTRUCTION. THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER MAKES NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY AVAILABLE INFORMATION WHICH WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL MAKE ADDITIONAL TOPOGRAPHIC SURVEYS AS DEEMED NECESSARY. PROVIDED THAT THE CONTRACTOR SHALL CORRELATE WITH THE OWNER, ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.
4. UNDERGROUND UTILITY MARK OUT INFORMATION AT SITE OF PROPOSED ADDITION WAS OBTAINED BY EXISTING UTILITY COMPANIES, THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION, BASED ON HAND-SKETCH BY CONTRACTOR FOR "VA CARES CONSOLIDATION PROJECT" (PROJECT 646CA2500R); AS-BUILT ELECTRONIC DRAWINGS WERE NOT AVAILABLE AT TIME OF THE DESIGN.
5. ONCE EXISTING UTILITIES TO REMAIN ARE LOCATED, ANY POTENTIAL CONFLICTS WITH OTHER UTILITIES, RELOCATED UTILITY POLES, ETC. SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
6. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, CONTRACTOR AS-BUILT DRAWINGS/SKETCHES, AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL ALL THE APPROPRIATE UTILITY COMPANIES HAVING UNDERGROUND UTILITIES IN THE RIGHT-OF-WAYS AT LEAST 72 HOURS BEFORE ANY EXCAVATION OR GRADING TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, UTILITY LOCATIONS, DEPTHS AND INVERTS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN BY THESE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF LANGAN ENGINEERING, THE PENNSYLVANIA ONE CALL SYSTEM SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
7. THE CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED UTILITY FRAMES, GRATES, MANHOLE COVERS, VALVE BOXES, ETC. TO BE FLUSH WITH THE PROPOSED SURFACE ELEVATIONS WITHIN THE LIMITS OF CONSTRUCTION.
8. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.
9. THE CONTRACTOR SHALL, WHEN THEY DEEM NECESSARY, PROVIDE WRITTEN REQUESTS FOR INFORMATION (RFI) TO THE OWNER AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC WORK. THE RFI SHALL BE IN A FORM ACCEPTABLE TO OWNER AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF TWO WORK DAYS OR ADDITIONAL REASONABLE TIME FOR A WRITTEN REPLY. RFIS SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF ALL SEWER WORK ITEMS CONSTRUCTED DIFFERENT THAN INTENDED OR AS DEPICTED ON THE PLANS.
10. INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES AND ANY OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND IN THE CONTRACT SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORM OF AN RFI PRIOR TO CONSTRUCTION.
11. THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.
12. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF FOUR FEET ABOVE TOP OF PIPE.
13. THE MINIMUM HORIZONTAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINE IS 10 FEET. THE MINIMUM VERTICAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINE IS 18 INCHES.
14. THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS AND TEES.
15. ALL DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTINGS.
16. ALL WATER MAINS SHALL BE HYDROSTATICALLY TESTED AND DISINFECTED BEFORE ACCEPTANCE. THIS PROCEDURE WILL CONFORM TO LOCAL AUTHORITY SPECIFICATIONS.
17. SANITARY DISCHARGE FROM THE PROPOSED BUILDINGS SHALL CONVEY DIRECTLY INTO AN EXISTING SEWER. NO SEPTIC SYSTEMS, EXISTING OR PROPOSED, ARE LOCATED WITHIN THE PROJECT SITE.
18. REFER TO PLUMBING PLANS FOR PROPOSED SANITARY LIFT STATION DETAILS.



PROFILE VIEW: SANITARY SEWER PROFILES



BID DOCUMENTS - NOT FOR CONSTRUCTION
FULLY SPRINKLERED


ACT 287 AS AMENDED

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CALL BEFORE YOU DIG !!
CALL 800-242-1776
OR PENNSYLVANIA ONE CALL SYSTEM
(1-800-242-1776) FOR THE
LOCATION OF EXISTING UTILITIES
BEFORE EXCAVATION
STOP & CALL

Pennsylvania One Call System, Inc.
1-800-242-1776



SERIAL NUMBER 20123P92140

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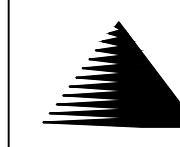
CONSULTANTS:

SITE/CIVIL:

SCOTT ROWLAND, P.E.
LANGAN ENGINEERING AND
ENVIRONMENTAL SERVICES
PROFESSIONAL ENGINEER
PA LICENCE NO. PE-080563

SIGNATURE: _____

ARCHITECT/ENGINEERS



Miller-Remick LLC
M.E.P. & Structural Engineering
A Veteran Owned Small Business
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NEW JERSEY **PENNSYLVANIA** NEW YORK CONNECTICUT FLORIDA
NEVADA VIRGINIA CALIFORNIA

| | |
|--|---------------|
| | Drawing Title |
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UTILITY PLAN

Approved: Project Director

Project Title

AE - UNIVERSITY DRIVE
RESEARCH BUILDING ADDITION
-

Location

Date
04/30/201

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|-------------------|---------------------------|
| TY DRIVE | VA244-P-1749 |
| BUILDING ADDITION | Building Number NO. 00 |

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| Checked |
| SDR |

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| Project Number | VA244-P-1749 |
|----------------|--------------|

NO. 30

CU-101

Office of
Construction
and Facilities
Management



